REVISTA

DE

BIOLOGIA TROPICAL

UNIVERSIDAD DE COSTA RICA

CONTENTS

MONGE-NAJERA. J Centennial of the birth of Clodomiro Picado T. and the return of Muta-	
cionism [SPA]	1
TREJOS, A. – Clodomiro Picado and the evolution of the autoantibody concept [SPA]	5
ZELEDON, R Clodomiro Picado as man and writer [SPA]	9
CORONADO, L.G Clodomiro Picado, a paradigm for scientific research in Costa Rica [SPA]	11
SANCHO U., HILDA, & F. UREÑA C. — Ultrastructure of white rat's adenohypophisiary cells under the effect of a benzodiazepine chronically administered [SPA]	15
CHINCHILLA, M., E. PORTILLA., O.M. GUERRERO, & R. MARIN Cyst occurrence in Tritrichomonas muris [SPA]	21
BRICEÑO, DANIEL. – How spiders determine clutch size	25
HERNANDEZ B., D.U., & MARIA ISABEL TAPIA P. – Ecology of surface spring phytoplankton in lake Tequesquitengo, Morelos, México [SPA]	31
ACUÑA M., R.A. – A comparison of ultrastructure of the egg shell of the turtle Rhinoclemmys pulcherrima with that of eggs of other reptiles [SPA]	41
MORALES Z., MARIA ISABEL, & D. GRIFFINIII.— Mosses of Parque Nacional Braulio-Carrillo, Costa Rica, in the area of Barva Volcano [SPA]	49
ROJAS, G., J.M. JIMENEZ, J.A. GENE, MARIBEL GOMEZ, & L. CERDAS. — Neutralization of toxic and enzimatic activities of four venoms from snakes of Guatemala and Honduras, by polivalent antivenin produced in Costa Rica [SPA].	59
KUMAR, S Somatic antigens from male and female adults of Setaria servi: Immune reactions in guinea pigs	69
KUMAR, S The response of adult and free-living stages of Necator americanus, in vitro, to anthelmintics	73
SALAZAR-VALLEJO, S A new amphinomid polychaete (Annelida: Polychaeta) from Western Mexico	77
OMOTOSHO, J.S Abnormal development in the ovaries of Oreochromis niloticus Linn. (Perciformes: Cichlidae) in Nigeria	83
BOLAÑOS, F., D.C. ROBINSON, & D.B. WAKE. – A new species of salamander (genus Bolito-glossa) from Costa Rica	87
PRAHL, H.V.— Hypolobocera dentata sp. nov.: A new freshwater crab (Crustacea: Brachyura: Pseudothelphusidae) from the Cordillera Occidental, Colombia.	93

RODRIGUEZ R., AMADORA, & C. GRANADO L. – Morphology of jaw structures in five species of Chirostoma (Pisces: Atherinidae)	97
ACUÑA, PABLO I., & EUGENIA M. FLORES. – Wood structure of Stryphnodendrom excelsum Harms (Leguminosae, Mimosoidea) [SPA]	107
MARTINEZ S., G.A. & R.E. MURILLO S. – Larval development of Cichlasoma nigrofasciatum (Günther), 1868 (Pisces: Cichlidae) in the laboratory [SPA]	113
LOPEZ S., MYRNA I., & C. ARIAS de la P. – Distribution of ichthyoplankton in the Pochote estuary, Bahía Ballena, Pacific of Costa Rica [SPA]	121
SALAS, I., J.R. BRENES, & O. MORALES. – Antihypertensive effect of Cecropia obtusifolia (Moraceae) leaf extract on rats.	127
PRAHL, H.v., & G. RAMOS. – Potamocarcinus colombiensis sp. nov.: a new freshwater crab (Decapoda: Brachyura: Pseudothelphusidae) from the Baudo Coastal Mountain Range, Colombia [SPA]	131
COMUNICACIONES	
CANTU-MARTINEZ, P.C. – Systematics and distribution of marine olygochaetes (Annelida) from the bay of San Quintín, Baja California, México [SPA]	135
HOWARD, J.J Biological activity of the secretion of Edessa rufomarginuta. a Neotropical pentatomid.	139
LEON-GONZALEZ, de, J.A., & S. SALAZAR-VALLEJO. – Redescription and range extension of Eunice sonorae Fauchald, 1970 (Annelida: Polychaeta) [SPA]	143
POHL, R.W Nardus stricta and Eleusine multiflora (Gramineae), new to Mesoamerica	147
CLEMENT, CH. R Preliminary observations on the developmental curve of pejibaye (Bactris gasipaes H.B.K.) inflorescences	151
CHACON DE RIEGER, ISABEL MARIA & L. FOURNIER O. – Distribution of the genus Nectandra (Lauraceae) in Costa Rica [SPA]	155
SALGADO B., J. & C. ILLESCAS M First record of Lysiosquilla panamica Manning, 1971 (Crus tacea: Stomatopoda) in the Pacific waters of Mexico	159
SANCHEZ-VARGAS, D.P., & M.E. HENDRICKX.— Utilization of algae and sponges by tropical decorating crabs (Majidae) in the Southeastern Gulf of California	161
HENDRICKX, M.EFirst Record of the genus Cancellus Edwards (Crustacea: Anomura: Diogenidae) alc ng the Pacific coast of Mexico	165
TANTALEAN V., M., & J. RODRIGUEZ New records of parasitic helminths from elasmobranchian fishes from the coast of Peru [SPA]	167
COMENTARIOS	
MONGE-NAJERA, J., & B. MORERA.— Why is the coyote (Canis Latrans) expanding its range? A critique of the deforestation hypothesis.	169

